

M 6.7, NEW IRELAND REGION, PAPUA NEW GUINEA

Origin Time: Tue 2009-06-23 14:19:16 UTC

Location: 5.26°S 153.41°E Depth: 35 km

PAGER
Version 1

Created: 24 mins, 58 secs after earthquake

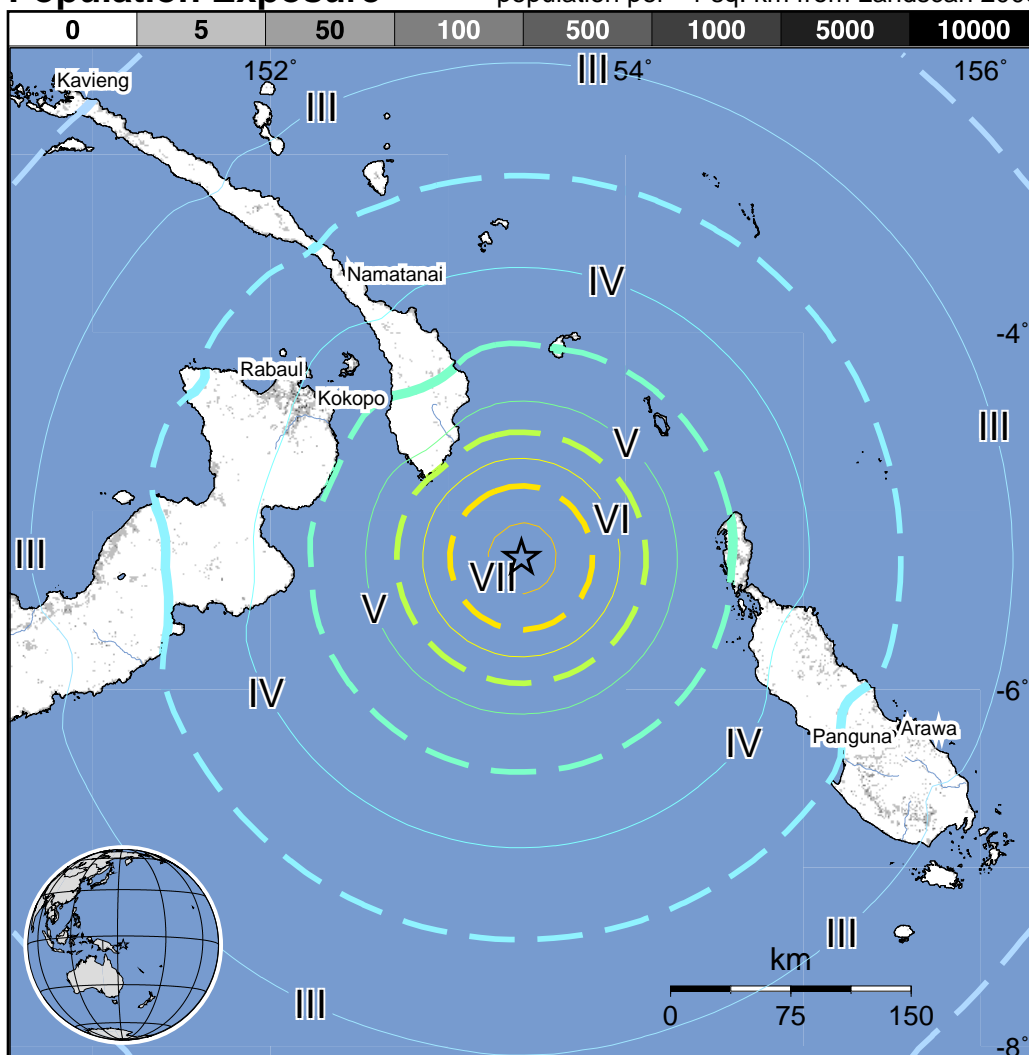
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	203k*	326k	14k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landsat 2006

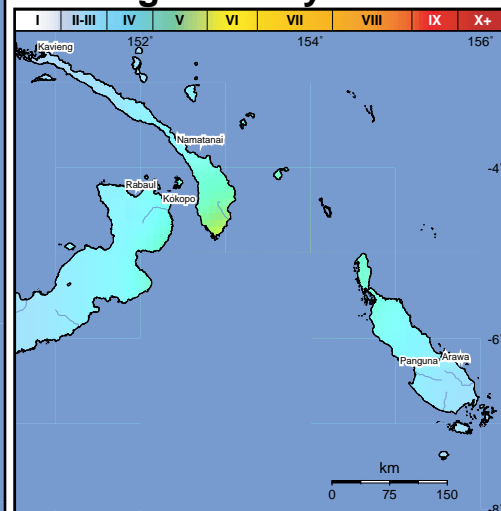


Selected City Exposure

MMI City	Population
IV Kokopo	26k
IV Rabaul	8k
IV Namatanai	1k
III Kieta	3k
III Panguna	2k
III Arawa	40k
II Kavieng	14k

bold cities appear on map (k = x1000)

Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 7.2 earthquake occurred in the Papua New Guinea region 235 km southeast of the location of this earthquake on April 29, 1996 (UTC), with estimated population exposures of 1,000 at intensity VIII and 57,000 at intensity VII, resulting in an estimated 1 fatality. On December 21, 1983 (UTC), a magnitude 6.2 earthquake occurred in the Papua New Guinea region 169 km west of the location of this earthquake, with estimated population exposures of 5,000 at intensity VII and 5,000 at intensity VI, resulting in an estimated 10 fatalities. Recent earthquakes in this area have caused landslides that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2009ifa4